

MicroPatent Patent Information Database



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Initial Issue Date: 19 Jan 1990 A2: unavailable A3:

Title: Water-base ink

Abstract:

<SEC>PURPOSE: To obtain a water-base ink for ink jet recording which gives a printed image with excellent definition, water resistance, and light resistance, and hardly causes clogging by incorporating a water-soluble dye containing a quaternary ammonium or phosphonium as a counter ion.

CONSTITUTION: This water-base ink contains at least one water-soluble dye of formula I wherein the counter ion X comprises a quaternary ammonium or phosphonium of formula II. In formulas I and II, R₁ is alkyl, phenyl, hydroxyl or alkoxyl; R₂ is H or alkyl; R₃ is a sulfo, alkyl, optionally substituted aryloxy, alkoxy, hydroxyalkyl or halogen; R₄ is alkyl, alkoxy or halogen; l is 0 or 1; m is 0 to 3; M is N or P; and R₅ to R₈ are each 1-4C alkyl, hydroxyalkyl or haloalkyl.

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Brief Summary :

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Detail:

Claims: -